Exploring Aeronautics			
2006 Science			
Content Standards			
Idaho Science			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Tools of Aeronautics(257-326)	ID	SCI.5.5.S.1.2.3	Use models to explain or demonstrate a concept.
The Tools of Aeronautics	ID	SCI.5.5.S.1.2.3	Use models to explain or demonstrate a concept.
Science of Flight	ID	SCI.5.5.S.1.2.1	Use observations and data as evidence on which to base scientific explanations and predictions.
Science of Flight	ID	SCI.5.5.S.1.6.1	Write and analyze questions that can be answered by conducting scientific experiments.
Science of Flight	ID	SCI.5.5.S.1.6.4	Use evidence to analyze descriptions, explanations, predictions, and models.
Science of Flight	ID	SCI.5.5.S.1.6.5	State a hypothesis based on observations.
Scientific Method(124-144)	ID	SCI.5.5.S.1.6.1	Write and analyze questions that can be answered by conducting scientific experiments.
Scientific Method(124-144)	ID	SCI.5.5.S.1.6.3	Select and use appropriate tools and techniques to gather and display data.
Scientific Method(124-144)	ID	SCI.5.5.S.1.6.4	Use evidence to analyze descriptions, explanations, predictions, and models.
Scientific Method(124-144)	ID	SCI.5.5.S.1.6.5	State a hypothesis based on observations.
Exploring Aeronautics			
2006 Science			
Content Standards			
Idaho Science			
Grade 6			
Activity/Lesson	**State**	**Standards**	
Wings(177-208)	ID	SCI.6.6.S.2.2.1	Describe the effects of different forces (gravity and friction) on the movement, speed, and direction of an object.
Tools of Aeronautics(257-326)	ID	SCI.6.6.S.1.2.3	Use models to explain or demonstrate a concept.
Tools of Aeronautics(257-326)	ID	SCI.6.6.S.1.6.4	Use evidence to analyze data in order to develop descriptions, explanations, predictions, and models.
The Tools of Aeronautics	ID	SCI.6.6.S.1.2.3	Use models to explain or demonstrate a concept.
Science of Flight	ID	SCI.6.6.S.1.2.1	Explain how observations and data are used as evidence on which to base scientific explanations and predictions.
Science of Flight	ID	SCI.6.6.S.1.2.2	Use observations to make inferences.
Science of Flight	ID	SCI.6.6.S.1.6.1	Write and analyze questions that can be answered by conducting scientific experiments.
Science of Flight	ID	SCI.6.6.S.1.6.2	Conduct scientific investigations using a control and variables. Repeat same experiment using alternate variables.

Science of Flight	ID	SCI.6.6.S.5.2.1	Describe how science and technology are part of our society.
Integrating with Aeronautics	ID	SCI.6.6.S.1.3.2	Measure in both U.S. Customary and International System of Measurement (metric system) units with an emphasis on the metric system.
Scientific Method(124-144)	ID	SCI.6.6.S.1.6.1	Write and analyze questions that can be answered by conducting scientific experiments.
Scientific Method(124-144)	ID	SCI.6.6.S.1.6.2	Conduct scientific investigations using a control and variables. Repeat same experiment using alternate variables.
Scientific Method(124-144)	ID	SCI.6.6.S.1.6.3	Select and use appropriate tools and techniques to gather and display data.
Scientific Method(124-144)	ID	SCI.6.6.S.1.6.4	Use evidence to analyze data in order to develop descriptions, explanations, predictions, and models.
Scientific Method(124-144)	ID	SCI.6.6.S.1.6.5	Test a hypothesis based on observations.
Exploring Aeronautics			
2006 Science			
Content Standards			
Idaho Science			
Grade 7			
Activity/Lesson	**State**	**Standards**	
Tools of Aeronautics(257-326)	ID	SCI.7.7.S.1.2.3	Use models to explain or demonstrate a concept.
The Tools of Aeronautics	ID	SCI.7.7.S.1.2.3	Use models to explain or demonstrate a concept.
Science of Flight	ID	SCI.7.7.S.1.2.1	Describe how observations and data are evidence on which to base scientific explanations and predictions.
Science of Flight	ID	SCI.7.7.S.1.6.2	Use appropriate tools and techniques to gather and display data.
Science of Flight	ID	SCI.7.7.S.1.6.3	Evaluate data in order to form conclusions.
Science of Flight	ID	SCI.7.7.S.1.6.4	Use evidence and critical thinking to accept or reject a hypothesis.
Scientific Method(124-144)	ID	SCI.7.7.S.1.6.2	Use appropriate tools and techniques to gather and display data.
Scientific Method(124-144)	ID	SCI.7.7.S.1.6.3	Evaluate data in order to form conclusions.
Scientific Method(124-144)	ID	SCI.7.7.S.1.6.4	Use evidence and critical thinking to accept or reject a hypothesis.
Exploring Aeronautics			
2006 Science			
Content Standards			
Idaho Science			
Grades 8-9 (8th & 9th Grade Physical Science)			
Activity/Lesson	**State**	**Standards**	
Fundamentals of Aeronautics (145-176)	ID	SCI.8-9.8-9.PS.2.2.1	Explain motion using Newton’s Laws of Motion.

Tools of Aeronautics(257-326)	ID	SCI.8-9.8-9.PS.1.2.2	Develop models to explain concepts or systems.
The Tools of Aeronautics	ID	SCI.8-9.8-9.PS.1.2.2	Develop models to explain concepts or systems.
The Tools of Aeronautics	ID	SCI.8-9.8-9.PS.1.6.4	Formulate scientific explanations and models using logic and evidence.
Science of Flight	ID	SCI.8-9.8-9.PS.1.2.1	Use observations and data as evidence on which to base scientific explanations.
Science of Flight	ID	SCI.8-9.8-9.PS.1.6.1	Identify questions and concepts that guide scientific investigations.
Science of Flight	ID	SCI.8-9.8-9.PS.1.6.4	Formulate scientific explanations and models using logic and evidence.
Science of Flight	ID	SCI.8-9.8-9.PS.1.6.7	Explain the differences among observations, hypotheses, and theories.
Science of Flight	ID	SCI.8-9.8-9.PS.2.2.1	Explain motion using Newton’s Laws of Motion.
Integrating with Aeronautics	ID	SCI.8-9.8-9.PS.1.3.1	Measure changes that can occur in and among systems.
Integrating with Aeronautics	ID	SCI.8-9.8-9.PS.1.3.3	Measure and calculate using the metric system.
Integrating with Aeronautics	ID	SCI.8-9.8-9.PS.1.8.1	Analyze technical writing, graphs, charts, and diagrams.
Scientific Method(124-144)	ID	SCI.8-9.8-9.PS.1.2.1	Use observations and data as evidence on which to base scientific explanations.
Scientific Method(124-144)	ID	SCI.8-9.8-9.PS.1.6.1	Identify questions and concepts that guide scientific investigations.
Scientific Method(124-144)	ID	SCI.8-9.8-9.PS.1.6.2	Utilize the components of scientific problem solving to design, conduct, and communicate results of investigations.
Scientific Method(124-144)	ID	SCI.8-9.8-9.PS.1.6.7	Explain the differences among observations, hypotheses, and theories.